

THERMOPLASTIC VALVES

Manual & Actuated Thermoplastic Valves

IPEX offers one of the most comprehensive ranges of high quality, high performance thermoplastic valves and actuation products available today. With more than 50 years of design and manufacturing experience, our lightweight, long life, maintenance free valves will save you time and money.

Material options such as PVC, CPVC, PP, PVDF, and ABS make our corrosion resistant valves ideal for use in a wide variety of applications. Quarter turn pneumatic and electric actuation, pneumatically actuated diaphragm valves, and many options and accessories allow for fully automated control. Whether a valve is required for isolation, diversion, control, or throttling, IPEX has a solution to meet your needs.

APPLICATIONS

- Acid products handling for refineries, metal works, etc.
- Alum and ferric chloride handling
- Aquariums and aquatic animal life support systems
- Bleach, dye and acid lines
- Brine and seawater systems
- Chlorine injection, chlorine dioxide and chloralkali plant piping
- Pharmaceutical
- Plant chemical distribution lines
- Plant water supply and distribution
- Swimming pools
- Wash water recovery systems
- Water and wastewater treatment



WHAT TYPE OF VALVE TO USE	Ball Valves	Butterfly Valves	Diaphragm Valves	Check & Vent Valves	Specialty Valves
On/Off Service	✓	✓			
High Capacity	✓	✓			
Throttling	✓	✓	✓		✓
Quick & Frequent Cycling	✓				✓
Slurries/Dirty Fluids		✓	✓		
Filtering					✓
Back Flow Prevention				✓	
Air & Gas Release				✓	
Electro-Mechanical Control					✓
Actuation	✓	✓	✓		



VKD SERIES BALL VALVES – TRUE UNION

The next generation industrial valve features the patented Dual Block® system which allows locking of the union nuts in a preset position, assuring seal integrity under severe service conditions. A patented seat stop carrier, high quality stem and ball support system, integral mounting flange and bracketing, and a multifunctional locking handle (standard on sizes 2-1/2" to 4") set this valve apart from the rest. The VKD is available in PVC, CPVC, PP, PVDF, and ABS with PTFE seats and either EPDM or FPM seals.

Pressure: up to 232 psi at 73°F depending on the material

Sizes: 3/8" – 4"



Size (in)	Body Material	Diaphragm Material	Socket/Threaded		Socket	
			Product Code	Universal #	Product Code	Universal #

VKD w/ PTFE Seats

Size (in)	Body Material	Diaphragm Material	Socket/Threaded		Socket	
			Product Code	Universal #	Product Code	Universal #
3/8	PVC	EPDM	253067	VKDBV102	-	-
		FPM	253068	VKDBV202	-	-
	CPVC	EPDM	253069	VKDBC102	-	-
		FPM	253070	VKDBC203	-	-
1/2	PVC	EPDM	053461	VKDBV103	-	-
		FPM	053467	VKDBV203	-	-
	CPVC	EPDM	053473	VKDBC103	-	-
		FPM	253008	VKDBC203	-	-
3/4	PVC	EPDM	053462	VKDBV104	-	-
		FPM	053468	VKDBV204	-	-
	CPVC	EPDM	053474	VKDBC104	-	-
		FPM	253009	VKDBC204	-	-
1	PVC	EPDM	053463	VKDBV105	-	-
		FPM	053469	VKDBV205	-	-
	CPVC	EPDM	053475	VKDBC105	-	-
		FPM	253010	VKDBC205	-	-
1-1/4	PVC	EPDM	053464	VKDBV106	-	-
		FPM	053470	VKDBV206	-	-
	CPVC	EPDM	053476	VKDBC106	-	-
		FPM	253011	VKDBC206	-	-
1-1/2	PVC	EPDM	053465	VKDBV107	-	-
		FPM	053471	VKDBV207	-	-
	CPVC	EPDM	053477	VKDBC107	-	-
		FPM	253012	VKDBC207	-	-
2	PVC	EPDM	053466	VKDBV108	-	-
		FPM	053472	VKDBV208	-	-
	CPVC	EPDM	053478	VKDBC108	-	-
		FPM	253013	VKDBC208	-	-
2-1/2	PVC	EPDM	-	-	053539	VKDAV109
		FPM	-	-	053542	VKDAV209
	CPVC	EPDM	-	-	053545	VKDAC109
		FPM	-	-	053548	VKDAC209
3	PVC	EPDM	-	-	053540	VKDAV110
		FPM	-	-	053543	VKDAV210
	CPVC	EPDM	-	-	053546	VKDAC110
		FPM	-	-	053549	VKDAC210
4	PVC	EPDM	-	-	053541	VKDAV111
		FPM	-	-	053544	VKDAV211
	CPVC	EPDM	-	-	053547	VKDAC111-
		FPM	-	-	053550	VKDAC211

Size (in)	Diaphragm Material	Threaded	
		Product Code	Universal #

PP w/ PTFE Seats

1/2	EPDM	053525	VKDFM103
	FPM	253002	VKDFM203
3/4	EPDM	053526	VKDFM104
	FPM	253003	VKDFM204
1	EPDM	053527	VKDFM105
	FPM	253004	VKDFM205
1-1/4	EPDM	053528	VKDFM106
	FPM	253005	VKDFM206
1-1/2	EPDM	053529	VKDFM107
	FPM	253006	VKDFM207
2	EPDM	053530	VKDFM108
	FPM	253007	VKDFM208

Size (mm)	Diaphragm Material	Metric Socket	
		Product Code	Universal #

PP w/ PTFE Seats

20mm	EPDM	053513	VKDIM103
	FPM	053519	VKDIM203
25mm	EPDM	053514	VKDIM104
	FPM	053520	VKDIM204
32mm	EPDM	053515	VKDIM105
	FPM	053521	VKDIM205
40mm	EPDM	053516	VKDIM106
	FPM	053522	VKDIM206
50mm	EPDM	053517	VKDIM107
	FPM	053523	VKDIM207
63mm	EPDM	053518	VKDIM108
	FPM	053524	VKDIM208